

Fig.1.

	11	21	31	41	51
Rs-AFP1	QKLCERPSGT	WSGVCNNNA	CKNQCNLEK	ARHGSCNYVF	PAHKCICYFP C
Rs-AFP2	QKLCQRPSGT	WSGVCNNNA	CKNQCIRLEK	ARHGSCNYVF	PAHKCICYFP C
Rs-AFP3	-KLCERSSGT	WSGVCNNNA	CKNQCIRLEG	AQHGSCNYVF	PAHKCICYFP C
Rs-AFP4	QKLCERSSGT	WSGVCNNNA	CKNQCNLEK	ARHGSCNYIF	PYHRCICYFP C
Br-AFP1	QKLCERPSGT	WSGVCNNNA	CKNQCN		
Br-AFP2	QKLCERPSGT	?SGVCNNNA	CKNQCIR		
Bn-AFP1	QKLCERPSGT	WSGVCNNNA	CKNQCNLEK		
Bn-AFP2	QKLCERPSGT	WSGVCNNNA	CKN		
Sa-AFP1	QKLCERPSGT	WSGVCNNNA	CKNQC		
Sa-AFP2	QKLCQRPSGT	WSGVCNNNA	CRNQCI		
At-AFP1	QKLCERPSGT	WSGVCNSNA	CKNQCN		

45 GTTTATTAGTGATCAIGGCTAAGTTTGGCTCCATCATCGCACIT
 M A K F A S I I A L
 90 CTTTTGCTGCTCTTGTCTTTTTTGGCTGCTTTTGAAGCACCAACA
 L F A A L V L F A A F E A E T
 135 ATGGTGAAGCACAGAAAGTTGTGCGAAAGGCCAAGTGGGACATGG
 M V E A Q K L C E R P S G T W
 180 TCAGGAGTCTGTGGAACAATAACGCATGCAAGAATCAGTGCATT
 S G V C G N N A C K N Q C I
 225 AACCTTGAGAAAGCAGACGACATGGATCTTGCAACTATGTCTTCCCA
 N L E K A R H G S C N Y V F P
 270 GCTCACAAGTGTATCTGCTACTTTTCCITTTGTTAAATTTATCGCAAAC
 A H K C I C Y F P C *
 315 TCTTTGGTGAATAGTTTTTATGTAATTTACACAAAAATAAGTCAGT
 360 GTCATAATCCAIGAGTGATTTTAAAGACATGTACCAGATAIGTTAT
 405 GTTGGTTCGGTTATACAAAATAAAGTTTTTATTCACCAAAAAA
 414 AAAAAAAA

Fig.2.

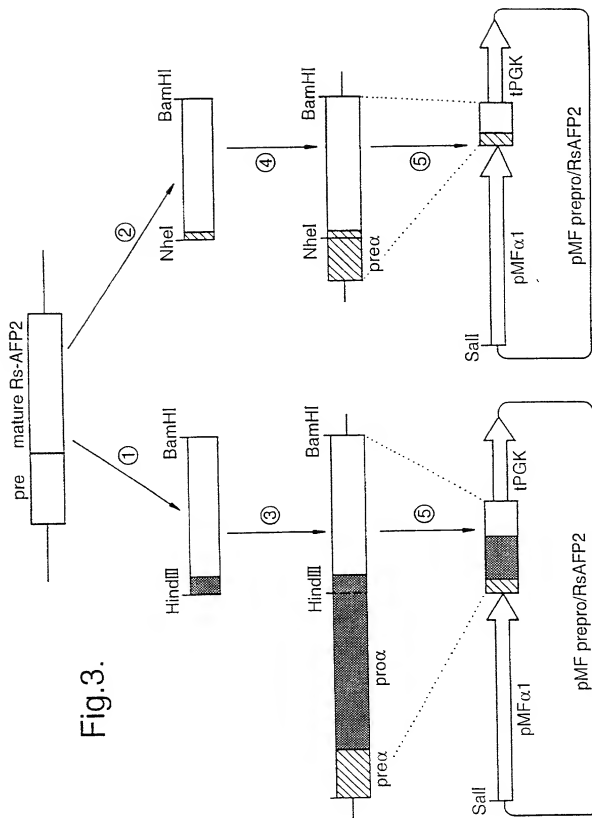


Fig.4.

	1	10	20	30	40	50
Rs-AFP2	Z	KLCQRP	SGTWSG	VCGGN	NACKNQ	CIRLEKARHGSCNYVFP
YRs-AFP2	Q	.....			
SIa2	-RV.MKG	.AGFK.L	MRDQN	.AQV.L-Q	.GWGG.N	.DG.M--RQ.K.IRQ.
<u>SERIES A</u>						
YRs-AFP2/Q5M	Q	...M	.....		
YRs-AFP2/T10G	Q	.....	G	.....	
YRs-AFP2/W11S	Q	.....	S	.....	
YRs-AFP2/G16M	Q	.....	M	.....	
YRs-AFP2/A31W	Q	.....		W	.....
YRs-AFP2/Y38G	Q	.....		G	.....
YRs-AFP2/F40M	Q	.....		M	.....
YRs-AFP2/K44Q	Q	.....		Q	.....
YRs-AFP2/Y48I	Q	.....				I
<u>SERIES B</u>						
YRs-AFP2/T10A	Q	.....	A	.....	
YRs-AFP2/H33A	Q	.....		A	.....
YRs-AFP2/Y38A	Q	.....		A	.....
YRs-AFP2/F40A	Q	.....		A	.....
<u>SERIES C</u>						
YRs-AFP2/P7-	Q	.....	-	.....
YRs-AFP2/P41-	Q	.....		-	.....
<u>SERIES D</u>						
YRs-AFP2/P7R	Q	.....	R	.....	
YRs-AFP2/G9R	Q	.....	R	.....	
YRs-AFP2/S12R	Q	.....	R	.....	
YRs-AFP2/I26R	Q	.....		R	.....
YRs-AFP2/L28R	Q	.....		R	.....
YRs-AFP2/N37R	Q	.....		R	.....
YRs-AFP2/V39R	Q	.....		R	.....
YRs-AFP2/A42R	Q	.....		R	.....
YRs-AFP2/I46R	Q	.....			R	.....
YRs-AFP2/F49R	Q	.....				R

OWB41:ATAAGCTTTGGACACAGAGA									
¹ Q	² K	³ L	⁴ C	⁵ Q	⁶ R	⁷ P			
CAG	AAG	TTG	TGC	CAA	AGG	CCA	AG		
CAG	AAG	TTG	TGC	ATG	AGG	CCA	AG		
Q	K	L	C	M	R	P			
OWB42:TTG									
³ L	⁴ C	⁵ Q	⁶ R	⁷ P	⁸ S	⁹ G	¹⁰ T	¹¹ W	
TTG	TGC	CAA	AGG	CCA	AGT	GGG	ACA	TGG	
OWB42:TTG	TGC	CAA	AGG	---	AGT	GGG	ACA	TGG	
L	C	Q	R	-	S	G	T	W	
OWB43:CCA									
⁷ P	⁸ S	⁹ G	¹⁰ T	¹¹ W	¹² S	GG			
CCA	AGT	GGG	ACA	TGG	TCA	GG			
OWB43:CCA	AGT	GGG	GGT	TGG	TCA	GG			
P	S	G	G	W	S				
OWB44:AGT									
⁸ S	⁹ G	¹⁰ T	¹¹ W	¹² S	¹³ G	¹⁴ V			
AGT	GGG	ACA	TGG	TCA	GGA	GTC			
OWB44:AGT	GGG	ACA	TCC	TCA	GGA	GTC			
S	G	T	S	S	G	V			
OWB45:GGA									
¹³ G	¹⁴ V	¹⁵ C	¹⁶ G	¹⁷ N	¹⁸ N	¹⁹ N	GC		
GGA	GTC	TGT	GGA	AAC	AAT	AAC	GC		
OWB45:GGA	GTC	TGT	ATG	AAC	AAT	AAC	GC		
G	V	C	M	N	N	N			

FIG. 5A

FIG. 5B

FIG. 5

FIG. 5A

OWB77:TCT	³⁵ S	³⁶ C	³⁷ Q	³⁸ Y	³⁹ V	⁴⁰ F		
	TCT	TGC	AAC	TAT	GTC	TTC	CC	
		TGC	AAC	GGT	GTC	TTC	CC	
	S	C	Q	G	V	F		
OWB47:TGC	³⁶ C	³⁷ Q	AAC	³⁸ Y	³⁹ V	⁴⁰ F	⁴¹ P	⁴² A
	TGC	AAC	TAT	TAT	GTC	TTC	CCA	GCT C
		AAC	TAT	GTC	ATG	CCA	GCT C	
	C	Q	Y	V	M	P	A	
OWB48:AAC	³⁷ Q	³⁸ Y	³⁹ V	⁴⁰ F	⁴¹ P	⁴² A	⁴³ H	⁴⁴ K
	AAC	TAT	GTC	TTC	CCA	GCT	CAC	AAG
		TAT	GTC	TTC	---	GCT	CAC	AAG
	Q	Y	V	F	-	A	H	K
OWB49:TTC	⁴⁰ F	⁴¹ P	⁴² A	⁴³ H	⁴⁴ K	⁴⁵ C	⁴⁶ I	
	TTC	CCA	GCT	CAC	AAG	TGT	ATC	TG
		CCA	GCT	CAC	CAA	TGT	ATC	TG
	F	P	A	H	Q	C	I	
OWB50:TGT	⁴⁵ C	⁴⁶ I	⁴⁷ C	⁴⁸ Y	⁴⁹ F	⁵⁰ C		
	TGT	ATC	TGC	TAC	TTT	CCT	TG	
		ATC	TGC	ATC	TTT	CCT	TG	
	C	I	C	I	F	C		

FIG. 5B

Fig.6.

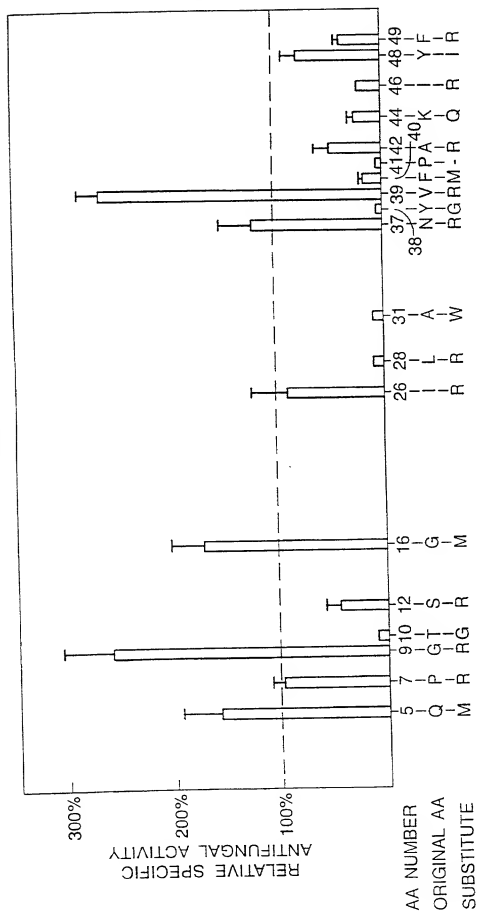


Fig.7.

